



# FEEDBACK



Web Site [k3dn.org](http://k3dn.org)

Warminster Amateur Radio Club

March 2024

**Next Meeting April 4th - Antenna Simulators (Dan Clementi - K3GMQ)**

## Warminster ARC General Meeting Minutes March 7th, 2024

Call to Order: 7:30 pm by Dave (KC3RAT)

Introductions and Attendance: 36

Minutes from last Meeting: The February meeting minutes were approved as submitted.

### Committee Reports:

**Treasurer's Report:** Tom (K3PLA) As given. Copies were available for members to review.

### **Programs:** Dave (KC3RAT)

March – MeSH Networks

April – Antenna Simulation

May – Hamfest Preparations

June – Pizza Night / Bucks County History

### **Membership:** Tony (W3FLH)

118 Members on roll, 94 in good standing; 87 Regular, 7 Alumni/Assoc.

### **Public Service:** George (N3HBT)

May – Warminster Memorial Day Parade 5/27 from 9 AM to 1 PM

June – Golf Outing

October – Golf Outing Part 2

More information as we get closer to the dates.

### **Classes:** Dave (K3RAT)

A General class started Tuesday 2/27 and is remote learning. A Technician class is planned for March in person. Issue discussed regarding fees that may be charged by the BWSC. If there is a fee, the classes would likely be remote.

### **VEC Testing:** Larry (WA3ELQ)

Session 02/26/2024 Six candidates, five successful. Next session 3/25/2024.

### **Repeater:** George (N3HBT)

All is presently good and working as expected. Echo-link is down.

**Good and Welfare:** Nothing to report at this time.

### **Radio sport:** Irwin (KD3TB)

See the ARRL website for details

### **Hamfest:** Tony (W3FLH)

Hamfest is scheduled for May 5, 2024 and will be held at the Bristol Campus of the BCCC.

A second talk about Mesh Networks is being arranged. The information on the website has been updated.

### **Refreshments:** Arlene (KA3PLA)

Arlene will have more coffee for future meetings as we seem to always run out.

### **Other Committees:**

No additional reports.

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Old Business:

**Club Station:** Everything working with no problems. Now that the extra items have been cleared, the carpet will be cleaned.

**Field Day:** Field Day is scheduled for the last Saturday and Sunday in June. A family picnic is being planned. Anyone with ideas or able to help, please let one of the club officers know.

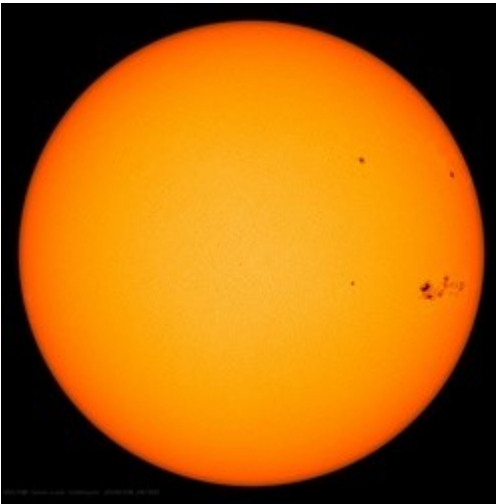
New Business:

**Club Officer Positions:**

It's that time of year to start thinking about leaders for the 2024-25 year. The Nominating Committee currently consists of Dave KC3RAT and Tony N3YNH. Anyone interested in serving in any leadership position should let either Dave or Tony know of their interests. Anyone who would like to serve on the Nominating Committee should also let either Dave or Tony know.

Business meeting adjourned at 7:55 PM.

### The K7RA Solar Update



Tad Cook, K7RA, of Seattle, Washington, reports for this week's ARRL Propagation Bulletin, ARLP0013:

A dramatic increase in solar activity emerged over the past week, and geomagnetic activity reacted as well.

Two new sunspot groups appeared on March 21, then one new group emerged each day over March 22 - 25.

The average daily solar flux rose from 153.3 to 191.9, and the average daily sunspot numbers increased from 94.3 to 147.

The highest sunspot number over last week was 171 on March 22, which was the highest sunspot number since November 22 - 25, 2023, when the numbers were 174, 176, 184, and 179.

The average daily planetary A index jumped from 5.9 to 25.4, and middle latitude numbers rose from 5 to 19.

This solar disk image was taken on March 28, 2024. [Photo courtesy of NASA SDO/HMI]

On March 24, the college A index in Fairbanks, Alaska, reached 100! The planetary A index was 64.

Looking ahead, the solar flux is predicted to reach a peak of 210 on April 23 - 24. The projected solar flux is 180 and 175 on March 28 - 29; 170 on March 30 - 31; 175 on April 1 - 3; 180 and 185 on April 4 - 5; 190 on April 6 - 7; 185, 180, 175, and 180 on April 8 - 11; 185 on April 12 - 13; 190, 185, 190, 185, and 180 on April 14 - 18; 175 on April 19 - 20; 200 and 205 on April 21 - 22; 210 on April 23 - 24, and 205, 190, and 180 on April 25 - 27.

The planetary A index forecast shows 5, 10, and 8 on March 28 - 30; 10 on March 31 through April 1; 8 and 5 on April 2 - 3; 12 on April 4 - 5; 5 on April 6 - 8; 8 on April 9 - 11; 5 on April 12 - 18; 8, 10, 10, and 8 on April 19 - 22, and 5 on April 23 - 29.

Sunspot numbers for March 21 - 27, 2024, were 141, 171, 146, 145, 163, 149, and 114, with a mean of 147. The 10.7-centimeter flux was 196.9, 197.6, 210.7, 195.1, 190.1, 178.2, and 174.6, with a mean of 191.9. Estimated planetary A indices were 27, 11, 36, 64, 22, 11, and 7, with a mean of 25.4. The middle latitude A index was 20, 10, 25, 43, 17, 11, and 7, with a mean of 19.

Send your tips, questions, or comments to [k7ra@arrl.net](mailto:k7ra@arrl.net).

A comprehensive K7RA Solar Update is posted Fridays on the ARRL website. For more information concerning radio propagation, [visit](#) the ARRL Technical Information Service, [read](#) "What the Numbers Mean...", and [check out](#) the Propagation Page of Carl Luet-

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zelschwab, K9LA.

A propagation bulletin [archive](#) is available. For customizable propagation charts, visit the [VOACAP Online for Ham Radio](#) website.

[Share](#) your reports and observations.

A weekly, full report is posted on [ARRL News](#).

Courtesy ARRL Newsletter

### Amateur Radio Importance Highlighted at National Hurricane Conference



The [National Hurricane Conference](#) was held March 25 - 28, 2024, in Orlando, Florida. Amateur radio was well represented at the event. A series of workshops were held that focused on amateur radio's involvement in hurricane tracking, coverage, and recovery.

Among the presenters was the Assistant Amateur Radio Coordinator of [WX4NHC at the National Hurricane Center](#) (NHC) Julio Ripoll, WD4R.

Ripoll gave a history of amateur radio's involvement in NHC, including the use of tube radios in the 1980s and the Yaesu FTDX-1200 used today. WX4NHC is also equipped with VHF/UHF radios to access the Florida Statewide Amateur Radio Network (SARnet), as well as digital equipment to communicate with the [VoIP Hurricane Net](#), IRLP, and Winlink to receive emails via amateur radio.

"We were the only means of communication between the National Hurricane Center and the National Weather Service Field Office in Slidell, Louisiana, during Hurricane Katrina," Ripoll said. He went on to highlight other instances of reports given by ham radio that provided mission-critical information that had a major impact on the way NHC handled a storm.

ARRL Director of Emergency Management Josh Johnston, KE5MHV, gave a presentation to the crowd of hurricane experts, meteorologists, and emergency managers about the Amateur Radio Emergency Service® (ARES®).

He spoke of ARRL's role on the board of SAFECOM, a program managed by the Cybersecurity and Infrastructure Security Agency (CISA) that sets the standards of interoperability procedures. Being a part of the group solidifies the Amateur Radio Service as a robust resource before and during times of crisis.

Johnston shared that in 2023, ARES volunteers contributed at least \$21.8 million in volunteer hours to their local communities. "Is amateur radio still relevant? Absolutely! Are we still involved in the places that are doing things the right way? Amateur radio absolutely is," he said.

Johnston highlighted [the relationship between ARRL and the Federal Emergency Management Agency \(FEMA\)](#), as well as ARRL's position as a net control station within the [SHARED RESOURCES High Frequency Radio Program \(SHARES\)](#) managed by CISA.

Among other presenters was ARRL's [The ARES Letter](#) Editor Rick Palm, K1CE.



**Julio Ripoll, WD4R, serves as the Assistant Amateur Radio Coordinator for WX4NHC. [Jim Palmer, KB1KQW, photo.]**



**ARRL Director of Emergency Management Josh Johnston, KE5MHV. [Jim Palmer, KB1KQW, photo.]**

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He shared a harrowing tale of his family riding out a direct hit from Hurricane Idalia in August 2023. The damage and impact he felt gave him a new perspective on emergency communications, as he went from a volunteer communicator to a storm victim. Read more about his experience in the "Public Service" column in the January 2024 issue of *QST*.

Watch a [video of the amateur radio workshops](#) at the 2024 National Hurricane Conference on YouTube, courtesy of Jim Palmer, KB1KQW.



The ARRL ARES Letter Editor Rick Palm,

Courtesy ARRL Newsletter

### Bob Heil, K9EID, Silent Key

The man who defined the sound of live rock 'n' roll music and brought audio engineering principals into mainstream amateur radio use, Dr. Bob Heil, K9EID, has passed away at the age of 83.

He was an ARRL Life Member and in the ARRL Maxim Society. A Facebook post from Heil Ham Radio paid tribute to their founder: "Bob fought a valiant, yearlong battle with cancer, and passed peacefully surrounded by his family."

Heil founded Heil Sound in 1966, through which he created the template for modern concert sound systems for musicians like the Grateful Dead, The Who, Joe Walsh, and Peter Frampton.

The talk box used on iconic live record *Frampton Comes Alive!* was Heil's design. His audio engineering products have been featured in the Rock & Roll Hall of Fame, and he was honored in 2007 with the Parnelli Audio Innovator Award for his impact on the live sound industry. "My life has been about achieving great sound, whether on the concert stage or in the amateur radio world," Bob Heil [recounted in 2022](#). "I've watched Heil Sound go from a regional sound company to a world-class microphone manufacturer. This company has been my passion," he said.



Bob Heil, K9EID.

Parallel to his commercial and artistic success in live music, was his passion for amateur radio. He was active in ham radio from a young age, and he merged his expertise in audio engineering with his love for radio. Heil Ham Radio was founded to produce microphones, headsets, and other gear for radio amateurs with an emphasis on high-quality audio.

Heil was known as a mentor who enjoyed helping others find success in ham radio.

Recently, his grandson Charlie Hartley, KF0OOP, became a licensed ham to surprise Heil for his birthday. [The pair attended the ARRL Midwest Convention/Winterfest](#) in St. Louis, Missouri, on January 27, 2024.

Heil was a generous donor to amateur radio organizations, including ARRL. Recently, [he donated a host of new audio gear](#) to the Hiram Percy Maxim Memorial Station, W1AW.



Heil with his grandson, Charlie Hartley, KF0OOP, at the ARRL Midwest Convention/Winterfest.

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His generosity and kind nature will be missed by many, including ARRL Director of Development Kevin Beal, K8EAL. "Bob was a titan in many areas. He was generous with his time, offered keen insights, and had the heart of a philanthropist in the ARRL Maxim Society," Beal said. "He was a gentleman to his core, making friends easily and everywhere he went, from rock stars to captains of industry. I consider it a real privilege to have become a friend to him, too, all because of amateur radio."

Heil was known for his passion for AM operations. He served for many years as an on-camera host of the Ham Nation podcast. Tributes to Heil have been flooding social media, including from his co-hosts.

ARRL President Rick Roderick, K5UR, said Heil's passing is a significant loss. "Bob Heil's technical achievements that brought high-quality audio to amateur radio pale in comparison to his generosity and willingness to help his fellow ham. He's long been known as someone eager to help mentor and teach. His legacy on our hobby will be long-lasting. Our thoughts are with his loved ones."

An obituary for Heil may be viewed [at this link](#).



**"RIP, man. I love you and miss you already. Sending love to Sarah and to the world of audio-heads you leave behind," said rocker Joe Walsh, WB6ACU, in a Facebook post. [Joe Walsh, WB6ACU, photo]**



**Bob Heil, K9EID, 1940 - 2024. [Heil Ham Radio, photo]**

*Courtesy ARRL Newsletter*

## Amateur Radio Stands Ready to Support Eclipse Operations

The upcoming April 8, 2024, solar eclipse has many excited about the opportunity to witness the darkness of totality. Spectators from across the country are traveling to the path of total darkness that will stretch from South Texas to Northeastern Maine.

Some states are anticipating more than a million travelers for the event. In the impacted areas, schools will be letting students out early for the day, and residents are being encouraged to avoid driving on the day of the event. Emergency response organizations are adding staff for the event in many areas. The eclipse is expected to directly impact parts of 14 states as it moves across the country. The travel impact alone could be substantial.

In preparation for the event, many state emergency management organizations have called on local hams to provide communication services via HF nets and locally on VHF/UHF frequencies. There have been numerous planning meetings, exercises, and preparations across the country. The [ARRL Emergency Management department](#) has worked with ARRL Section Emergency Coordinators and Section Managers in the directly affected areas to collect the frequencies each Section plans to utilize, and to assist in any frequency conflicts. Hams across multiple states and ARRL Sections have been practicing their communications capabilities via Winlink, SSB, and CW. "It is great to see Sections along the path working together to be prepared to assist in any emergency, should it occur during the event," said ARRL Director of Emergency Management Josh Johnston, KE5MHV. "Heavy traffic is the major concern, but [anything can happen] during such a large event," he added.

Johnston went on to say, "There will be several on-air operating events on the day of the eclipse, but please give some space for any emergency traffic that may be taking place as well."

Ham Radio Science Citizen Investigation (HamSCI) is leading the [Solar Eclipse QSO Party](#) which will allow radio amateurs to participate in propagation research by operating during the eclipse and submitting their logs. Much of that activity will be focused on the FT8 frequencies of the non-World Administrative Radio Conference (WARC) HF bands, but all modes will be welcome during the event.



The second "diamond ring" phase of the 2017 Great American Eclipse, as seen in Madras, Oregon. [Sierra Harrop, W5DX, photo]



*Courtesy ARRL Newsletter*

### Elmer's Corner

Welcome to Elmer's Corner. This will be a section where hams can request help with ham related issues. Our goal is to match someone with experience with the issue you are having in order to resolve your problem. This is intended to cover all aspects of ham radio:

- Equipment
- Software
- Antennas
- Operations

Send the editor an email detailing the issue: [wa4ywm@comcast.net](mailto:wa4ywm@comcast.net).

### 2024 Contest Calendar

#### April

##### 21 [Rookie Roundup – Phone](#)

1800 to 2359 UTC

#### May

##### 25-26 CQ WW WPX Contest, CW

0000Z, May 25 to 2359Z, May 26

#### June

##### 8-10 [June VHF](#)

1800 UTC Saturday, ends 0259 UTC Monday

##### 22-23 [Field Day](#)

1800 UTC Saturday, end 2059 UTC Sunday

#### QSO Parties

**Missouri** 1400Z, Apr 6 to 0400Z, Apr 7 and 1400Z-2000Z, Apr 7

**Mississippi** 1400Z, Apr 6 to 0200Z, Apr 7

**Louisiana** 1400Z, Apr 6 to 0200Z, Apr 7

**New Mexico** 1400Z, Apr 13 to 0200Z, Apr 14

**North Dakota** 1800Z, Apr 13 to 1800Z, Apr 14

**Georgia** 1800Z, Apr 13 to 0359Z, Apr 14 and 1400Z-2359Z, Apr 14

**Nebraska** 1100Z, Apr 20 to 2259Z, Apr 21

**Michigan** 1600Z, Apr 20 to 0400Z, Apr 21

**Florida** 1600Z, Apr 27 to 0159Z, Apr 28 and 1200Z-2159Z, Apr 28

### V.E. TEST LOCATIONS

Confirm all information, in advance, with the contact person. Licensed applicants must bring the original, and one photocopy of their license. All applicants, including children, must bring two forms of positive ID. Also bring the original, and a copy, of any Certificate of Successful Completion needed to prove current status. The ARRL VEC'S 2024 test fee is \$15.00.

**Warminster Amateur Radio Club,** Monthly, Last Mon. 7:00 pm at the Wilson Senior Community Center 580 Delmont Avenue Warminster, PA 18974 George Brechmann (215) 443-5656.

**Atco, NJ**, The fourth (4th) Tuesday of each month, at 7 p.m. Winslow Township Senior Center, 33 Cooper Folly Road, 08004-2603.  
Mark (K2AX) jtra@comcast.net

**Levittown, PA**, Monthly, 1st Wednesday at 6:30. Levittown Library - Ben Johns, K3JQH, 215-657-5994

**Telford, PA**, RF Hill ARC. Indian Valley Library. Held the third Monday of odd months (January, March, May, July, September, November)  
Contact: Jim Soete 215-723-7294  
[wa3ylq@arrl.net](mailto:wa3ylq@arrl.net).

**Philadelphia, PA**, Testing is done on the 3rd, non holiday Monday of the month at the Giant Supermarket, 315 York Rd., Willow Grove, 19090 at 6:30 PM in the Community Room. For further information contact James McCloskey at [jmccloskey@msn.com](mailto:jmccloskey@msn.com) and by phone 215-275-2979.

**Lansdale, PA** Testing on the fourth non-holiday Thursday of the month starting at 7:00 PM. The Lansdale Library Community Room Vine St. and Susquehanna Ave. Lansdale, Pa. Registration is required 48 hrs. or more before the scheduled exam date. If there are no registrations the scheduled exam date will be canceled. NO WALK-INS. You can register by contacting:  
Olaf N. Markert - Phone (610) 517-5074, E-mail [w3pa@arrl.net](mailto:w3pa@arrl.net)  
Alt Contact: Jim, 610-287-5630

### ➤ ATLANTIC DIV. HAMFESTS

#### ➤ 2024



#### April 20 - [Delmarva Amateur Radio and Electronics Expo, ARRL Delaware State Convention](#)

Cheer Center 20520 Sand Hill Rd. Georgetown, DE 19947

#### April 21 - [Maryland Mobileeers Spring Hamfest](#)

Odenton Volunteer Fire Company 1425 Annapolis Rd. Odenton, MD 21113

<https://sites.google.com/view/marylandmobileeers/hamfest?authuser=0>

#### April 27 - [York Hamfest](#)

Elicker's Grove Park 511 Roth Church Rd. Spring Grove, PA 17362

<http://www.yorkhamfest.org>

#### May 5 - [Warminster ARC - Annual Hamfest](#)

Bucks County Community College-Lower Bucks Campus

1304 Veterans Highway (Route 413)

Bristol, PA 19007

<https://wp.k3dn.org/hamfest/>

#### May 11 - [Hamfest at the Shore](#)

Surf City Firehouse

713 Long Beach Island

Surf City, NJ

<http://www.obarc.org>

### CLUB INFO

#### PUBLIC SERVICE

May – Warminster Memorial Day Parade  
 June – Golf Outing  
 October – Golf Outing Part

#### CLUB STATION

The WARC club station is open to anyone with an interest, on the first Thursday of the month (meeting night) between the hours of 6:30 and 7:30 pm. with the exception of the December dinner meeting For further information, call George Brechmann N3HBT at 215-443-5656.

#### WARC ALUMNI MEMBERSHIP

An Alumni membership category is available for WARC members who are unable to attend meetings and club activities on a regular basis because of health considerations, travel impediments, or other hardships. Dues for the Alumni membership are \$12.50 annually and are approved by the Board. Please contact the Membership Committee for more information if interested."

#### ATTENTION MEMBERS

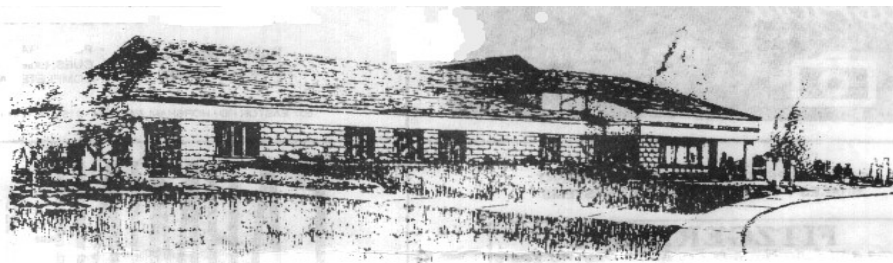
The Membership Committee can provide Club badges. Two types are available: an engraved plastic call sign and name badge for \$8 or a free, laminated plastic, photo ID badge/card. The photo id badge is included with your membership. Pictures for the club badge will be taken before club meetings on even numbered months. If you do not have at least a Warminster Amateur Radio Club badge with your picture on it, please contact your Membership Chairs at the WARC monthly meetings. Otherwise, please contact Membership by email at: [membership@k3dn.org](mailto:membership@k3dn.org).

If you want to have your picture taken to be placed on the 'Members' Photos' section of the [www.k3dn.org](http://www.k3dn.org) website, please contact Membership with your interest. When we get enough people who are interested we will post a notice in Feedback and have a camera ready at the following club meeting.

### PROGRAMS 2024

- **April: Antenna Simulators (Dan Clementi - K3GMQ)**
- **May – Hamfest Preparations**
- **June – Pizza Night / Bucks County History**

The Club Station - K3DN - is located at the Benjamin Wilson Senior Center, Delmont Avenue, Warminster, PA. The station is open for club members and the interested general public on the first Thursday of the month (meeting night) between the hours of 6:30 and 7:30 pm. with the exception of the December dinner meeting . The station is fully operational on HF (80 meters through 10 meters ) both phone and CW. There is an assortment of amateur radio shareware which may be copied under the shareware licensing agreement.



For additional information on the Club Station please call the Station Manager N3HBT - George at 215-443-5656.

➤ WARC Meetings are held the first Thursday of each month at 7:30 pm at the Benjamin Wilson Senior Center, Delmont Avenue, Warminster, PA. Talk in is available on the 147.09 & 443.950 repeaters.



**SKYWARN INFORMATION**

**Bucks County SKYWARN Weather Spotter PRIMARY FREQUENCY: 147.300MHZ (+ 131.8)**

Fairless Hills, PA (many remote access locations throughout Bucks County)

**Mount Holly NWSFO SKYWARN Homepage:**

<https://www.weather.gov/phi/Info>

**SKYWARN Basic Weather Spotter Educational Programs URL:**

<https://www.weather.gov/phi/classes>

➤ **CLUB EQUIPMENT**

WARC has 2 Baofeng UV-5R dual band HT's and a Yaesu FT-2900 2M mobile that are available for use by members of the club.

The radios are available on a month-by-month basis and have been purchased primarily to help new hams get on the air.

However, they may also be used by any club member who is in need of a temporary 2-meter radio. They are also available for use by participants in WARC's public service activities.

DE, Dave McGowan KC3RAT

**Area Repeaters**

**VHF**

- 145.310 R.F. Hill
- 145.350 Doylestown R.C.
- 146.790 Penn Wireless
- 145.330 Hilltown
- 146.670 DVRA
- 146.685 Holmesburg
- 146.925 Willingboro
- 147.000 Ham Buegers
- 147.030 Phil-Mont
- 147.090 Warminster
- 147.270 Frankford
- 147.300 BEARS
- 147.390 CBRA

**220**

- 224.580 PackRats
- 223.76 K3NAL

**UHF**

- 442.650 DVRA
- 443.250 TAG
- 443.050 Metro-Comm
- 443.950 Warminster
- 444.200 BEARS
- 447.475 WR3B
- 448.225 Penn Wireless
- 444.759 RF Hill Analog/Fusion

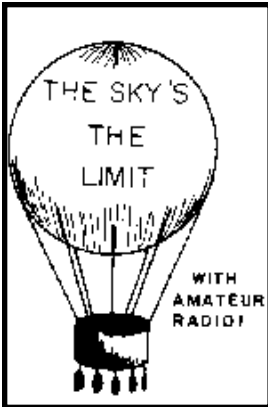
**D-STAR**

- 146.61000 K3PDR DV
- 445.18125 K3PDR DV
- 445.01875 AA3E Montco RACES

**6 Mtr**

- 53.030 WA3BXW
- 53.230 N3DQZ
- 53.320 K3MFI

*The Warminster Amateur Radio Club  
Announces Free Ham Radio Instructional Classes*



If you're interested in Ham Radio, or think you might be, this is your opportunity. Perhaps you'd like to learn about digital communications, VHF, UHF, satellite, or perhaps you'd rather sit down and chat with someone in South Africa, Russia, Great Britain or in the space station.

New Classes (Tech and General) to start Sept 13 from 7 pm to 9 pm.

For further information contact George Brechmann, N3HBT at 215-443-5656.

**Bucks County Amateur Radio Emergency Service (BCARES)**

[www.bucksares.org](http://www.bucksares.org)

Bucks County ARES will be on the air Wednesdays, at 9:00 PM . We will be using Warminster Amateur Radio Club's repeater on 147.090, pl 131.8. This net is linked as shown in the Net Schedule box for the Wednesday night net. It may also be linked to 147.300.

Winlink Gateway Stations:

Lower Bucks NY3J-10 145.530 Bensalem

**Net Schedules**

Sunday	2000	10 Meter Net	28.445 MHz
Wednesday	2000	2 Meter Net	147.09 Rptr.
Wednesday	2000	Linked w/ 2 Meter Net	443.95
Rptr. Wednesday	2000	Linked w/ 2 Meter Net	53.230 Rptr.
Sunday	2030	Informal Net	223.5 Simplex
Thursday	1900	Mont. Cnty RACES Net	146.835 Rptr.

### Are you submitting an article for the Feedback ?

Contributions of articles to be published are always accepted for consideration. Please follow these guidelines:

- E-Mail to:  
[wa4ywm@comcast.net](mailto:wa4ywm@comcast.net)  
Or via snail mail to:  
**FEEDBACK EDITOR**  
Warminster Amateur Radio Club  
Box 113  
Warminster, Pa 18974
- Use both upper and lower case letters.
- Use your program's spell check.
- If you don't have a computer, then typewritten sheets are o.k. but please use both upper and lower case.
- Put your name and call at the beginning or end of the article, and show credits if you are using material from another source.
- Deadline for articles is the Saturday before the regular meeting.

### For general club correspondence:

[WARMrinfo@gmail.com](mailto:WARMrinfo@gmail.com)

### Visit our Home Page at:

<http://www.k3dn.org>

### The annual dues rate structure is as follows:

**Full Member:     \$25.00**  
**Student:           \$ 7.50**  
**Alumni:             \$12.50**

- Are your dues current ?

## 2024 Officers

### Executive Officers

President	Ray Oechslin	KA3TRU	267-269-3198
Vice-President	Dave McGowan	KC3RAT	215-850-5846
Secretary	Tony Simek	N3YNH	
Treasurer	Tom Newman	K3PLA	215-630-5965
Director (A)	Doug Becker	KC3MNQ	215-932-1370
Director (E)	Larry Abbott	WA3ELQ	215-704-3282
Director (A)	Bruce Farrington	WA3ZPC	215-262-4215
Director (E)	George Brechmann	N3HBT	215-443-5656
Past President	Tony Cuttone	W3FLH	267-679-9297

### Committee Chairpersons

ARES/RACES Liason	Karl Harris	K3KH	215-264-1855
ARRL Liason	Irwin Darack	KD3TB	215-343-8170
Awards Manager	Vince Pironti	KD3TC	215-674-0446
Classes	Dave McGowan	KC3RAT	215-850-5846
	Dan Clementi	K3GMQ	
Digital and APRS	Ron Wenig	NY3J	215-638-9257
Feedback Editor	Jim Elmore	WA4YWM	215-538-1889
Field Day 24	Herb Hickmott	KB3VMN	267-718-3601
Hamfest 24	Tony Cuttone	W3FLH	267-679-9297
Hamwear	Kathy Acker	KC3FBY	215-815-7978
Holiday Dinner	George Brechmann	N3HBT	215-443-5656
Membership	Tony Cuttone	W3FLH	267-679-9297
Net Manager	George Brechmann	N3HBT	215-443-5656
PA QSO Party	Mark Kempisty	AA3K	
Publicity	Herb Hickmott	KB3VMN	267-718-3601
Refreshments	Arlene Newman	KA3PLA	215-345-4539
RF Interference	Bill Ballantine	K3FMQ	215-766-0764
Repeater Coordinator	Brian Taylor	N3EXA	215-257-6303
Safety Officer	Mike Malone	W3MJM	215-639-2175
Station Trustee	George Brechmann	N3HBT	215-443-5656
Good and Welfare	Regina Litman	KC3LRF	
Township Liason	George Brechmann	N3HBT	215-443-5656
VE License Testing	Larry Abbott	WA3ELQ	215-704-3282
VHF/UHF/MW	George Altemus	KA3WXV	215-855-3856
Website Coordinator	Kathy Acker	KC3FBY	215-815-7978
Youth Programs			